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Docket No.: 50024-026

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 20277
	:	
Seiichi BANBA, et al.	:	Confirmation Number: 5193
	:	
Application No.: 10/802,878	:	Group Art Unit: 2817
	:	
Filed: March 18, 2004	:	Examiner: Unknown
	:	

For: VARIABLE IMPEDANCE CIRCUIT, VARIABLE GAIN DIFFERENTIAL AMPLIFIER, MULTIPLIER, HIGH-FREQUENCY CIRCUIT AND DIFFERENTIAL DISTRIBUTED AMPLIFIER

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The relevance of the Japanese language references; 5-300039, 9-252228, 11-88079, 2003-209448 and 2003-298370, if any, is discussed in the present specification.

10/802,878

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

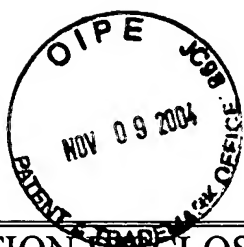
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SHEET 1 OF 1

INFORMATION DISCLOSURE
CITATION IN AN
APPLICATION

(PTO-1449)

ATTY. DOCKET NO.
50024-026SERIAL NO.
10/802,878APPLICANT
Seiichi BANBA, et al.FILING DATE
March 18, 2004GROUP
2817

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 6,597,243 B1	7/22/2003	Fratti	Corresponds to JP 2003-209448
		US 2003/0184383 A1	10/2/2003	Ogawa	Corresponds to JP 2003-298370
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FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number + -Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation
						Yes No
		JP 05-300039	11/12/1993	TOSHIBA CORP		w/English Abstract
		JP 09-252228	9/22/1997	NIPPON TELEGR & TELEPH CORP		w/English Abstract
		JP 11-088079	3/30/1999	HITACHI LTD		w/English Abstract
		JP 2003-209448 A	7/25/2003	—	Corresponds to U.S. 6,597,243	
		JP 2003-298370 A	10/17/2003	—	Corresponds to U.S. 2003-0184383	
		JP 10-261926	9/29/1998	HITACHI LTD		w/English Abstract
		JP 2003-168937 A	6/13/2003	SANYO ELECTRIC CO LTD		w/English Abstract
		JP 2003-168938 A	6/13/2003	SANYO ELECTRIC CO LTD		w/English Abstract

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.